
CLEAN VERSION OF ALL PENDING CLAIMS AND AMENDMENTS

Title:

Speech Recognition System to Mitigate Memory and Processing Requirements in a Remote Device

Claims:

Please cancel claims 19 and 21 without prejudice.

1. (Four Times Amended) A speech recognition system, comprising:
a host computer, the host computer operative to communicate at least one graphical user interface (GUI) display file to a mobile terminal, the GUI display file having attached thereto at least one of a dictionary file having phonemes and syntax file having allowable patterns of words to facilitate speech recognition, wherein the at least one of a dictionary file and syntax file are content specific to the GUI display file;

the mobile terminal including a microphone for receiving speech input; and
wherein the mobile terminal employs the at least one of a dictionary file and syntax file to facilitate speech recognition in connection with the at least one GUI display file.

2. The system of claim 1, the host computer including a memory, the memory storing a plurality of GUI display files.

4. The system of claim 1, wherein the dictionary file is stored in a memory of the host computer.

5. The system of claim 1, wherein the syntax file is stored in a memory of the host computer.

8. (Amended) The system of claim 1, wherein the mobile terminal maps sequences of the phonemes to operator instructions *via* the dictionary file and syntax file.

9. The system of claim 1, wherein the at least one GUI display file is communicated via packet format.

10. The system of claim 1, wherein the host computer informs the mobile terminal of the file size of the at least one GUI display file.

11. The system of claim 1 employing a platform independent architecture based on JAVA.

12. (Four Times Amended) A mobile terminal having speech recognition capabilities, comprising:

a processor;

a display operatively coupled to the processor, the display adapted to display at least one graphical user interface (GUI);

a speech recognition system for identifying speech commands from a user, the speech recognition system operative to employ at least one of a dictionary file having phonemes and a syntax file having allowable patterns of words attached with at least one GUI file to map sequences of the phonemes to operator instructions, the at least one of a dictionary file and a syntax file being content specific to the at least one GUI file, the at least one GUI file received from a location remote to the mobile terminal; and

wherein the scope of speech recognition associated with the dictionary file and syntax file are focused to recognizing utterances which correspond to valid inputs to the at least one graphical user interface file so as to minimize data processing requirements of the mobile terminal.

13. The mobile terminal of claim 12 the remote unit including a memory for storing a plurality of GUI display files.

14. The mobile terminal of claim 12, wherein the dictionary file and syntax file are attached to the GUI display file.

15. The mobile terminal of claim 12 wherein the dictionary file and syntax file are stored in the memory of the mobile terminal.

16. The mobile terminal of claim 12 wherein the dictionary file and syntax file are stored in the memory of a remote unit.

17. The mobile terminal of claim 12, wherein the remote unit is a host computer.

18. (Four Times Amended) A method for facilitating speech recognition associated with a graphical user interface (GUI), comprising the steps of:

D4 receiving at least one GUI display file of a plurality of GUI display files from a remote location to input commands to a unit, the unit adapted to receive input commands *via* speech;


receiving a dictionary file having phonemes and a syntax file having allowable patterns of words in connection with the at least one GUI display file from the remote location, the dictionary file and the syntax file being content specific to the at least one GUI display file, including reference data corresponding to commands that may be input to the unit via speech; and

wherein the reference data facilitates speech recognition in connection with the at least one GUI file.

D5 20. (Three Times Amended) A remote client computer operative to receive a graphical user interface (GUI) file from a remote host computer, the GUI file including display data for prompting a user to input at least one of a command and data, the GUI file further including utterance recognition data, the utterance recognition data including a dictionary file having phonemes and a syntax file having allowable patterns of words in connection with the GUI file, wherein the utterance recognition data is content specific to the GUI file and facilitates speech recognition of a limited quantity of utterances associated with a limited set of commands and inputs that can be input to a display generated from the GUI file.

22. (Four Times Amended) A data collection network comprising:

a host computer operating a first data collection application manipulating data received from a plurality of mobile computing devices; and

 a mobile computing device operating a second data collection application generating a plurality of graphical display contexts prompting a user data input and associating with each graphical display context at least one of a dictionary file having phonemes and a syntax file having allowable patterns of words, the at least one of a dictionary file and syntax file including reference data corresponding to at least one of a limited permutation of data and commands which may be input via speech in each context, the mobile computing device transmits the data to the host, wherein the at least one of a dictionary file and a syntax file are received from the host computer and are content specific to the graphical display context.